

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently amended): A light source device, comprising:

a light source lamp; and

a reflector that reflects light emitted from the light source lamp, wherein the reflector is formed of a ceramic having a thermal conductivity of at least about 0.005 (cal/cm sec deg) at a temperature of 20°C, wherein the ceramic is composed of a material selected from the group consisting of Al_2O_3 , $2\text{MgO}\cdot\text{SiO}_2$, $\text{MgO}\cdot\text{SiO}_2$, $\text{ZrO}_2\cdot\text{SiO}_2$, TiO_2 , SiC , Si_3N_4 , ZrO_2 , and cermet.

Claim 2 (Original): A light source device in accordance with claim 1, wherein the ceramic has a thermal conductivity of at least about 0.004 (cal/cm·sec·deg) in a temperature range of about 0 to about 200°C.

Claim 3 (Canceled).

Claim 4 (Original): A light source device in accordance with claim 1, further comprising:

a transmissive front panel fitted in an opening of the reflector.

Claim 5 (Original): A light source device in accordance with claim 1, further comprising:

a cooling device that forcibly cools down the reflector.

Claim 6 (Original): A light source device in accordance with claim 1, further comprising:

a power source that activates the light source lamp.

Claim 7 (Currently amended): A projector, comprising:

an illuminating optical system including a light source device;

an electrooptic device that modulates light emitted from the illuminating optical system in response to image information; and

a projection optical system that projects a modulated light obtained by the electrooptic device,

the light source device comprising:

a light source lamp; and

a reflector that reflects light emitted from the light source lamp, wherein the reflector is formed of a ceramic having a thermal conductivity of at least about 0.005 (cal/cm sec deg) at a temperature of 20°C, wherein the ceramic is composed of a material selected from the group consisting of Al₂O₃, 2MgO·SiO₂, MgO·SiO₂, ZrO₂·SiO₂, TiO₂, SiC, Si₃N₄, ZrO₂, and cermet.

Claim 8 (Original): A projector in accordance with claim 7, wherein the ceramic has a thermal conductivity of at least about 0.004 (cal/cm·sec·deg) in a temperature range of about 0 to about 200°C.

Claim 9 (Canceled).

Claim 10 (Original): A projector in accordance with claim 7, further comprising:
a transmissive front panel fitted in an opening of the reflector.

Claim 11 (Original): A projector in accordance with claim 7, further comprising:
a cooling device that forcibly cools down the reflector.

Claim 12 (Original): A projector in accordance with claim 7, further comprising:
a power source that activates the light source lamp.

Claim 13 (Original): A projector in accordance with claim 7, further comprising:
a driving section that supplies the image information to drive the electrooptic device.

Claim 14 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is Al₂O₃.

Claim 15 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is $2\text{MgO}\cdot\text{SiO}_2$.

Claim 16 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is $\text{MgO}\cdot\text{SiO}_2$.

Claim 17 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is $\text{ZrO}_2\cdot\text{SiO}_2$.

Claim 18 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is TiO_2 .

Claim 19 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is SiC.

Claim 20 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is Si_3N_4 .

Claim 21 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is ZrO_2 .

Claim 22 (Currently amended): A light source device in accordance with claim [[3]]
1, wherein the material is cermet.

Claim 23 (Currently amended): A projector in accordance with claim [[9]] 7, wherein
the material is Al_2O_3 .

Claim 24 (Currently amended): A projector in accordance with claim [[9]] 7, wherein
the material is $2\text{MgO}\cdot\text{SiO}_2$.

Claim 25 (Currently amended): A projector in accordance with claim [[9]] 7, wherein
the material is $\text{MgO}\cdot\text{SiO}_2$.

Claim 26 (Currently amended): A projector in accordance with claim [[9]] 7, wherein
the material is $\text{ZrO}_2\cdot\text{SiO}_2$.

Claim 27 (Currently amended): A projector in accordance with claim [[9]] 7, wherein the material is TiO_2 .

Claim 28 (Currently amended): A projector in accordance with claim [[9]] 7, wherein the material is SiC.

Claim 29 (Currently amended): A projector in accordance with claim [[9]] 7, wherein the material is Si_3N_4 .

Claim 30 (Currently amended): A projector in accordance with claim [[9]] 7, wherein the material is ZrO_2 .

Claim 31 (Currently amended): A projector in accordance with claim [[9]] 7, wherein the material is cermet.

DISCUSSION OF THE AMENDMENT

Claim 1 has been amended by incorporating the subject matter of Claim 3 therein;
Claim 3 has been canceled. Claim 7 has been amended by incorporating the subject matter of
Claim 9 therein; Claim 9 has been canceled. Claims 14-22 have each been amended to
depend on Claim 1. Claims 23-31 have each been amended to depend on Claim 7.

No new matter has been added by the above amendment. Claims 1, 2, 4-8 and 10-31
are now pending in the application.